

CLAIMS

1. A corrosion monitor comprising a substantially inert reference electrode and a working electrode of the material to be monitored, further comprising a voltage follower adapted to apply a voltage between the electrodes, which voltage reflects previous values of the current flowing between the electrodes.
2. A corrosion monitor according to claim 1 in which the voltage is proportional to an integration of the current.
3. A corrosion monitor according to claim 1 or claim 2 in which the current is measured by the voltage follower.
4. A corrosion monitor according to claim 3 as dependent on claim 2 in which that output of the voltage follower is fed to an integrating circuit.
5. A corrosion monitor according to claim 4 in which the output of the integrating circuit is fed to the voltage follower for application to the working electrode.
6. A corrosion monitor comprising a pair of electrodes and electronic circuitry arranged such that DC current flowing between the two electrodes is reduced to essentially zero, while allowing any naturally occurring AC current noise to flow unhindered and be monitored.
7. A corrosion monitor according to claim 6 in which the two electrodes consist of one substantially inert reference electrode, and one working electrode constructed of the material to be monitored.

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8. A corrosion monitor according to any one of the preceding claims in which the voltage potential is monitored between the inert reference electrode and a third electrode also constructed of a substantially inert material.

9. A corrosion monitor substantially as herein described with reference to and/or as illustrated in the accompanying figures.

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